

## CLAIMS

What is claimed is:

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A1*

1 1. A method for dynamically changing attributes in an embedded-SQL application, the  
2 method comprising the steps of:

3 (a) providing an option within a standard SQL statement for specifying one or more  
4 attributes of at least a declared cursor; and

5 (b) processing the standard SQL statement to include the specified one or more  
6 attributes in at least the declared cursor.

2. The method of claim 1 wherein the option providing step (a) further comprises the  
steps of (a1) providing an ATTRIBUTES option.

3. The method of claim 2 wherein option providing step (a) further comprises the steps  
of (a2) providing an option within a PREPARE SQL statement.

1 4. The method of claim 3 wherein the processing step (b) further comprises the steps  
2 of (b1) parsing the ATTRIBUTES option.

1 5. The method of claim 4 further comprising the step of (c) resolving conflicting and  
2 duplicate attributes.

1           6. The method of claim 5 further comprising the step of (c) placing resolved attributes  
2           in a parse tree.

1           7. The method of claim 1 further comprising the step of (c) utilizing the one or more  
2           attributes in a concatenated string for a dynamic cache system of a database server.

1           8. A system for dynamically changing attributes in an embedded-SQL application, the  
2           system comprising:

3           at least one computer processing device; and  
4           a database management system installed on the at least one computer processing  
5           device, the database management system supporting provision of an option within a standard  
6           SQL statement for specifying one or more attributes of at least a declared cursor, and  
7           processing of the standard SQL statement to include the specified one or more attributes in  
8           at least the declared cursor.

9. The system of claim 8 wherein provision of an option further comprises provision  
2           of an ATTRIBUTES option.

1           10. The system of claim 9 wherein provision of an option further comprises provision  
2           of an option within a PREPARE SQL statement.

1           11. The system of claim 10 wherein processing further comprises parsing the  
2 ATTRIBUTES option.

1           12. The system of claim 11 wherein the database management system further supports  
2 resolution of conflicting and duplicate attributes.

1           13. The system of claim 12 wherein the database management system further supports  
2 placement of resolved attributes in a parse tree.

1           14. The system of claim 8 wherein the database management system further supports  
2 utilization of the one or more attributes in a concatenated string for a dynamic cache system of  
3 a database server.

1           15. A computer readable medium containing program instructions for dynamically  
2 changing attributes in an embedded-SQL application, the program instructions comprising:  
3           providing an option within a standard SQL statement for specifying one or more  
4 attributes of at least a declared cursor; and  
5           processing the standard SQL statement to include the specified one or more attributes  
6 in at least the declared cursor.

1           16. The program instructions of claim 15 wherein providing an option further  
2 comprises providing an ATTRIBUTES option.

1           17. The program instructions of claim 16 wherein providing an option further  
2           comprises providing an option within a PREPARE SQL statement.

1           18. The program instructions of claim 17 wherein processing further comprises parsing  
2           the ATTRIBUTES option.

1           19. The program instructions of claim 18 further comprising resolving conflicting and  
2           duplicate attributes.

1           20. The program instructions of claim 19 further comprising placing resolved  
2           attributes in a parse tree.

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